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1644-

Atty. Docket No. 3007-1008

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Marian Elizabeth LUDGATE

Serial No. 09/509,687

Filed April 19, 2000

BIOASSAY FOR THYROID STIMULATING
ANTIBODIES

Confirmation No. 9801

GROUP 1644

Examiner P. Nolan

RECEIVED
JUL 30 2003
TECH CENTER 1600/2900AMENDMENTCommissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Responsive to the Official Action of April 28, 2003,
please amend the above-identified application as follows:

IN THE CLAIMS:

Amend claim 36 as follows:

--36. (thrice amended) A clone stably transfected with
a gene expressing wild-type human thyrotropin receptor and a
reporter construct comprising cDNA of both
(i) a reactant capable of causing a measurable response when
brought into contact with a corresponding substrate, and
(ii) a promoter containing cAMP response elements (CREs),
comprising a promoter sequence or synthetic oligonucleotide which
contains the CRE consensus sequence, TGACGTCA,
whereby cAMP levels vary with expression of the reactant; and
wherein the promoter sequence or synthetic oligonucleotide is